

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 8,020,158 B2  
APPLICATION NO. : 10/596588  
DATED : September 13, 2011  
INVENTOR(S) : Xie et al.

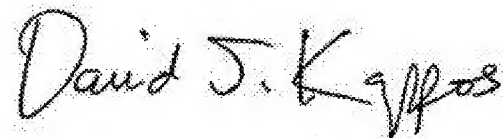
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 12, in column 11, line 30, “enables the base computer run” is corrected to state “enables the base computer to run.”

In claim 17, in column 12, line 9, “The system of claim 14” is corrected to state “The system of claim 12.”

Signed and Sealed this  
Twenty-second Day of November, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and a stylized 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*